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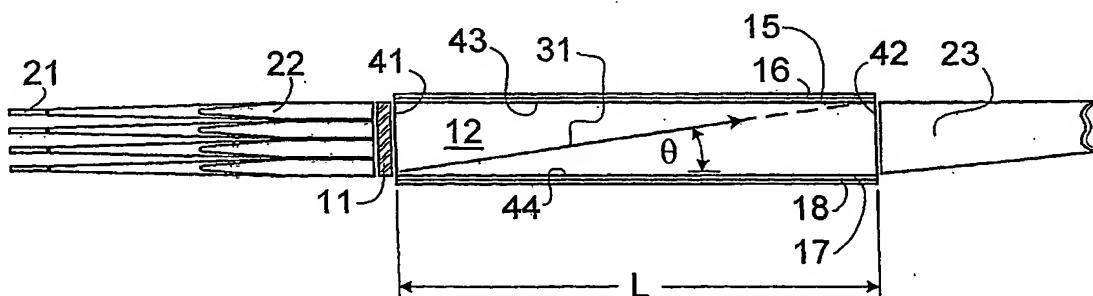
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(54) Title: HOMOGENIZER FOR COLLIMATED LIGHT WITH CONTROLLED HIGH ANGLE SCATTER



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(57) Abstract: A homogenizer for collimated light limits the angular distribution of the light by passing the light through a mild diffuser (11) followed by a slab light guide (12) which has top and bottom surfaces covered with optical constraining layers (15, 17) and optical absorbing layers (16, 18) where the optical absorbing layer has a higher refractive index than the optical constraining layer and the optical constraining layer has a lower refractive index than the slab light guide.